

Title (en)

WASTE GAS TREATMENT SYSTEM AND METHOD

Title (de)

SYSTEM UND METHODE ZUR BEHANDLUNG VON ABGAS

Title (fr)

SYSTEME ET PROCEDE DE TRAITEMENT D'EFFLUENTS GAZEUX

Publication

EP 0804272 B1 20020220 (EN)

Application

EP 96941461 A 19961122

Priority

- US 9618821 W 19961122
- US 56168495 A 19951122

Abstract (en)

[origin: WO9718885A1] The gas stream which is produced in and emanates from landfills, anaerobic digesters and other waste gas streams is treated to produce a purified gas which is essentially a hydrocarbon such as methane and which can be used as the fuel source in a fuel cell power plant. The gas stream passes through a simplified purification system which removes essentially all of the sulfur compounds, hydrogen sulfide, and halogen compounds from the gas stream. The resultant gas stream can be used to power a fuel cell power plant which produces electricity, or as a hydrocarbon fuel gas for other applications.

IPC 1-7

B01D 53/75; **C10L 3/10**

IPC 8 full level

B01D 53/75 (2006.01); **C10L 3/10** (2006.01)

CPC (source: EP US)

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Cited by

US8480789B2; US8568512B2; US7815713B2

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WO 9718885 A1 19970529; CA 2233592 A1 19970529; DE 69619360 D1 20020328; DE 69619360 T2 20021128; EP 0804272 A1 19971105; EP 0804272 B1 20020220; US 5830423 A 19981103

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